STATE OF GEORGIA COUNTY OF DEKALB CITY OF BROOKHAVEN

ORD 2014-07-07

AN ORDINANCE TO AMEND CHAPTER 14 "LAND DEVELOPMENT" OF THE CODE OF THE CITY OF BROOKHAVEN, GEORGIA, TO REPLACE ARTICLE II, ENTITLED "ENVIRONMENTAL CONTROL", SECTION 14-39

- WHEREAS, the Mayor and Council of Brookhaven are charged with the protection of the public health, safety, environment and general welfare of the citizens of the Brookhaven; and
- WHEREAS, Section 1.03(b)(8) of the Charter of the City of Brookhaven grants the Mayor and Council the power to protect and preserve the environment; and
- WHEREAS, the Mayor and Council of the City of Brookhaven hereby find that regulating tree preservation and replacement will preserve and protect the environment; and
- **WHEREAS**, the Mayor and Council of the City of Brookhaven desire to properly regulate same for the benefit of the environment and the citizens of the City.

NOW, THEREFORE, the Mayor and Council of the City of Brookhaven, Georgia hereby ordain as follows:

SECTION 1: Chapter 14, "Land Development" of the Code of the City of Brookhaven, Georgia is hereby amended by striking the entirety of Section 14-39 of Article II, "Environmental Control" and substituting a new Section 14-39 to read as follows:

CHAPTER 14 - SECTION 14-39 Tree Protection and Replacement

Sec. 14-39 Tree Preservation and Replacement

(a) Title

This section shall be known as the City of Brookhaven Tree Ordinance.

(b) Purpose and Intent

The purpose and intent of this Tree Ordinance is to protect the rights of property owners and to facilitate and promote canopy preservation and tree replacement as an integral part of the land development and construction process in the City. The aesthetics of urban forests as well as the many environmental benefits provide both economic and ecological vitality to the City and its citizens.

The citizens and their many communities enjoy the following benefits that can be directly attributed to our trees:

- (1) Trees produce oxygen, which is essential to the well-being of all animal life, including humans.
- (2) Trees help to reduce the amounts of airborne pollutants. For example, trees remove carbon dioxide which is a major environmental concern due to its current high levels.
- (3) Trees are critical in cooling the urban 'heat island' effect and help moderate our air temperature in general to provide us with a more comfortable environment.
- (4) Trees and their foliage intercept dust and particulate matter, thereby helping to purify our air and limiting health risks.
- (5) Trees and their root systems reduce soil erosion and storm water runoff. This decreases sedimentation problems and improves water quality.
- (6) Trees provide food and shelter for desirable urban wildlife.
- (7) Trees provide screening which in turn aids in the reduction of noise and glare.
- (8) Trees provide scenic amenities and shade to soften the harshness of city buildings and streets. They are aesthetically pleasing to all that view them.
- (9) Trees can enhance the natural functions of streams and related buffers.

In furtherance of its purpose and intent, the Tree Ordinance is designed to:

(1) Protect Specimen Trees and historical trees in a manner consistent with the Tree Ordinance. A link to the Georgia Urban Forest Council is provided where a map of Georgia landmark and historic trees can be found:

http://www.gufc.org/programs/landmark-and-historic-tree/

- (2) Provide standards for the preservation of trees as a part of the land development process. This includes discouraging clear cutting and mass grading of land that results in the loss of mature trees.
- (3) Provide standards for ecologically appropriate replanting when tree loss does occur.
- (4) Protect trees during construction, including the construction of public facilities, to enhance the quality of life in the City.
- (5) Maintain trees in a healthy and non-hazardous condition through good arboricultural practices such as proper pruning and mulching.
- (6) Establish and maintain appropriate diversity in tree species and age classes to provide a stable and sustainable urban forest.

(c) General Applicability

- (1) This Tree Ordinance shall only apply to any activity which requires the issuance of a permit or notice that includes land disturbance or otherwise has an impact on Trees. No such permit shall be issued until it is determined by the City Arborist that the proposed activity conforms with the provisions of this Section 14-39.
- (2) The Tree Ordinance applies to the development of all property lying within the City, inclusive of property owned by the city, its agencies, authorities and affiliated entities, except as otherwise provided in this Section 14-39.

(d) Definitions

The words or terms below, whether capitalized or not, shall have the following meanings for purposes of this Tree Ordinance:

ANSI means the American National Standards Institute.

ANSI standards means the ANSI A300 Series for tree care operations.

Boundary Tree means a tree twenty (20) inches DBH or larger located on any part of a property adjacent to a permitting property with any portion of the Root Plate extending into the permitting property (see Root Plate). Boundary Trees must be in good health as determined from the vantage point of the property to be developed (pre-construction digital photographs required). This provision shall not authorize the trespass on private property abutting the site.

Buffer means a naturally existing area, a landscaped area or a combination of both designated for screening or buffering incompatible uses.

Caliper means the standard for trunk width measurement of nursery stock. Caliper of the trunk shall be taken at six (6) inches above the ground for trees up to and including four (4) inch caliper size, and twelve (12) inches above the ground for trees larger than four (4) inch caliper.

Certified Arborist means a person who is certified by the International Society of Arboriculture as an ISA Certified Arborist whose certification is current.

City means the City of Brookhaven.

City Arborist means the City's designee responsible for administering the provisions of this Tree Ordinance.

Code means the Code of the City of Brookhaven, as amended.

Critical Root Zone or CRZ means the minimum area beneath a tree which must be left undisturbed in order to preserve a sufficient root mass to give a tree a reasonable chance of survival. For the purpose of this Tree Ordinance the minimum area of the Critical Root Zone shall be one (1) foot radius for every inch of diameter as measured at DBH. The Critical Root Zone includes the Root Plate. Root Plate means the area of the root zone comprised of pedestal roots, the zone of rapid taper and roots under compression, the directional radius of which is based upon the tree trunk diameter at four and one half (4.5) feet above the ground. The Root Plate will typically be represented by a concentric circle centering on the tree trunk with a radius equal in feet to one-half times the number of inches of the trunk diameter. (Failure of the tree could result if roots in this area are damaged or destroyed. Example: The Root Plate radius of a 20 inch diameter tree is 10 feet.)

Density Factor means a unit of measure used to prescribe the calculated tree coverage on a site. Except as provided in Sec. 14-39(d)(1), the site Density Factor within the corporate limits of the City is one hundred (100) inches DBH per acre.

Diameter at Breast Height or DBH means the diameter of a tree trunk measured in inches at a height of four and one-half (4½) feet above the ground. If a tree splits into multiple trunks below four and one-half (4½) feet, then the trunk is measured at its most narrow point beneath the split. If using an inch tape, measure the circumference of the trunk at breast height and divide by 3.14. Example: 62 Inches / 3.14 = 19.74 or 20 inches DBH (3.14 = π)

Dieback means a condition in which a tree or shrub beings to die from the leaf tips backward into the trunk due to disease or unfavorable environmental conditions.

Director means the Director of the Community Development Department.

Historic Tree shall mean any historic or landmark tree designated as such by the Georgia Urban Forest Council.

ISA means the International Society of Arboriculture.

Notice means any notice required by the provisions of this Section 14-39.

Overstory Tree means those trees that compose the top layer or canopy of vegetation and will generally reach a mature height of greater than forty (40) feet.

Permit means any tree removal permit, land disturbance permit, or building permit impacting trees.

Specimen Tree means any tree described in Sec. 14-39(h)(1), which qualifies for special consideration for conservation due to its size, type, condition, location or historical significance.

Tree means any living, self-supporting woody or fibrous plant which normally obtains a diameter breast height of at least three (3) inches, and typically has one (1) main stem, a trunk and many branches.

Tree Fund means an account, maintained by the finance department of the City, of funds contributed as a form of alternative compliance to the Tree Ordinance. Tree Fund(s) may be used for:

- (1) The purchase and installation of trees in parks, right of ways and other City owned or leased property;
- (2) Maintenance of City trees; and
- (3) Promotion of a healthy urban forest.

Tree Ordinance means the City of Brookhaven Tree Ordinance, Sec. 14-39 of the Code, as amended.

Tree Protection and Replacement Plan; Tree Protection Plan and Tree Replacement Plan has the meaning given to such terms in Sec.14-39(f).

Tree Save Area means an area designated for the purpose of meeting tree density requirements, saving natural trees and/or preserving natural buffers.

Trophic Layer means the different levels of low-growing grasses, forbs (non-woody flowering plants other than grass) and other plants; small trees, bushes and/or shrubs; and canopy cover from medium to larger trees existing in a stream buffer.

Understory Tree means those trees that grow beneath the Overstory Trees and will generally reach a mature height of less than forty (40) feet.

(e) Tree Removal Exemptions

The following shall be exempt from the provisions of this Section 14-39:

The removal of up to five (5) eight (8) inch DBH or larger trees, other than Specimen Trees, from an owner-occupied, single-family residential property within a single calendar year so long as a Density Factor of fifty (50) DBH inches of trees per acre is maintained and provided a Tree Canopy Reduction Notice (with no fee) for documentation purposes is obtained from the Community Development Department.

Trees less than eight (8) inch DBH may be removed from an owner-occupied, single-family residential property without a Tree Canopy Reduction Notice so long as a Density Factor of fifty (50) DBH inches of trees per acre is maintained. All stream buffer and flood plain acreage shall be excluded when calculating the Density Factor requirement contained in this section (e)(1).

- (2) The removal of trees from golf courses and horticultural properties such as farms, nurseries or orchards except removal of trees from the State of Georgia stream buffers or flood plains.
- (3) The removal of any tree that is hazardous and becomes or threatens to become a danger to human life or property. There is no permit, notice or plant back requirement under this section (e)(3).
- (4) The removal of trees by a public utility or the City within permanent utility easements.

(f) Procedures and Requirements

Notwithstanding the preservation of the Specimen Trees as provided herein, the City requires the preservation of trees outside of the site's buildable area having a Density Factor of not less than one hundred (100) DBH inches per acre with the disturbance of no more than twenty percent (20%) of the Critical Root Zone of each tree to be preserved.

- (1) Application Requirements (Tree Survey). Except as provided elsewhere in this Tree Ordinance, a tree survey is a required part of any application for a permit to remove or disturb trees or their CRZ within the City. Specimen Trees, all trees eight (8) inches DBH and larger and all trees being counted toward the required Density Factor shall be identified by size, species, CRZ and location. The City Arborist, with the approval of the Director, may authorize in writing an alternative to the preparation of a tree survey where the applicant presents documentation by a partial tree survey or tree population inventory of the size, species and approximate Critical Root Zone of trees other than Specimen Trees adjacent to limits of disturbance which demonstrates that the planned limits of construction will not reduce the Tree Density of the parcel below any required minimum of density.
- (2) Tree Protection and Tree Replacement Plan Requirements. A Tree Protection and Replacement Plan shall be submitted with any site plan, tree survey, land disturbance, construction and other plans required as part of the permitting process. Plans will not be accepted without a completed Tree Protection and Replacement Plan. The Tree Protection Plan and the Tree Replacement Plan should be separated into two plans if the overall plan requirements are too complex to be reflected on one plan. Otherwise, the Tree Protection Plan and the Tree Replacement Plan may be on the same plan. The final decision of whether they are separate or combined is at the discretion of the City Arborist. Tree Protection and Replacement Plans shall include:

- a. The identity of the tract of land, including the address, land lot and district and any adjacent roadways or other major identifying factors.
- b. The name, address and telephone number of the Owner, Developer, Landscape Architect, Surveyor, Engineer and a 24 hour contact person;
- c. Evidence that the plans conform to all applicable zoning conditions and any administrative guidelines.
- d. All existing and proposed utility lines including but not limited to: overhead and underground power lines, easements, water lines, sewer lines and other utility lines.
- e. The schedule for the implementation, installation, and maintenance of tree protection measures (the overall project schedule can be referenced, but must include tree protection measures).
- f. The tree survey in the form of a to-scale map showing trees to be saved, Boundary Trees and Specimen Trees with tree protection methods located at the Critical Root Zone and all applicable details and calculations prepared and signed/sealed by a Georgia Registered Surveyor or a Georgia Registered Landscape Architect. A Certified Arborist shall also review, approve and stamp the plan prior to submittal. The proposed tree protection fencing locations the requirements of any associated engineering grading/limits of disturbance plans.
- g. The Tree Replacement Plan prepared and signed/sealed by a Georgia Registered Landscape Architect noting the location of all Specimen Trees to remain with Critical Root Zone intact, Boundary Trees, and all other trees which will be conserved and/or planted to count toward meeting site tree density requirements. A Certified Arborist shall also review site trees and approve and stamp the plan prior to submittal. In addition, this plan will include all associated details, plant lists, inches required, specimen recompense calculations and any other applicable items as determined by the City Arborist.

h. Tree Density requirements.

- 1. In connection with the permitting of land disturbance and the construction of improvements, the City requires the preservation of trees having a Density Factor of 100 DBH inches per acre and having a DBH of eight (8) inches or greater with no more than twenty percent (20%) CRZ disturbance. The only allowable exceptions are for sites having less than 100 DBH inches of trees before development or only dead, dying or hazardous trees as verified by a Certified Arborist. Trees located within the buildable area of a site may be removed provided a Density Factor of 100 DBH inches of trees per acre is maintained.
- 2. The applicant shall provide a plan demonstrating both canopy preservation and tree replacement on sites submitted for development. Trees within undisturbed zoning buffers and trees outside of stream buffers and flood plain areas may be counted toward the density and/or preservation

requirement. All stream buffers and flood plain acreage shall be excluded from the site area tree calculations. The required density of **one hundred** (100) DBH inches per acre may be achieved as follows:

- Counting and measuring existing trees (inches measured at DBH) to be conserved, and
- The planting of new trees (minimum two (2) inch caliper) for lots that do not have a Density Factor of 100 DBH inches per acre

Formula:

Acreage x 100 DBH Inches = Required Inches

Example:

1.2 Ac. x 100 DBH Inches = 120 DBH Inches Required

The minimum required inches shall be calculated and established pursuant to the formula as shown above and shall be in a prominent location in the Tree Protection and Replacement Plan.

- The calculation of the inches required for residential properties shall be based on the net site area, excluding any detention ponds, lakes, stream buffers, flood plain areas and permanent easements where planting is prohibited. On single family property where there is at least 2,500 but less than 4,500 square feet of front yard area (the area of land immediately adjacent to the improvement running to the boundary of the street right of way), there shall be at least one (1) two (2) inch DBH tree within the front yard area. On single family residential property where there is at least 4,500 square feet of front yard area, there shall be at least two (2) two (2) inch DBH trees within the front yard area. Nothing in this Tree Ordinance shall be construed to allow the removal of any tree or vegetation in a required stream buffer, transitional buffer zone or state buffer zone except buffer improvements as authorized by the Director. A Buffer may be pruned per ANSI standards to allow "line of sight" views to and from structures and/or surface water with the approval of the City Arborist; provided, however, an entire Trophic Layer shall not be removed.
- j. The calculation of the inches required for commercially or industrially zoned properties shall be based on the net site area, excluding any detention ponds, lakes, stream buffers, flood plain areas and permanent easements where planting is prohibited. Nothing in this Tree Ordinance shall be construed to allow the removal of any tree or vegetation in a required stream buffer, zoning buffer, or state buffer zone except Buffer improvements as authorized by the Director. A Buffer may be pruned per ANSI standards to allow "line of sight"

- views to and from structures and/or surface water with the approval of the City Arborist; provided, however, an entire Trophic Layer shall not be removed.
- k. Tree relocation of existing trees between two (2) inch caliper and seven and nine-tenths (7.9) inch caliper inches may be used for credit on the Tree Replacement Plan with the written approval of the City Arborist.
- I. Tree preservation areas shall leave intact the naturally occurring groundcover or understory vegetation unless otherwise approved in writing by the City Arborist in order to remove invasive or undesirable vegetation.
- (3) Issuance of Permit. No Permit shall be issued until the Tree Protection and Replacement Plan has been reviewed and approved by the City Arborist. All tree protection measures shall be installed as approved and inspected by the City Arborist or a designee prior to land disturbance. Once land disturbance begins, sites not complying with the approved Tree Protection and Replacement Plan may be issued a 'Stop Work Order' or a permit may be revoked if conditions of the permit terms are violated.
- (4) Final Inspection. No certificate of occupancy will issue by the Director for any improvement where the construction and/or land disturbance is subject to this Tree Ordinance until the City Arborist has inspected the site and confirmed that all remaining existing trees are in good condition and all replacement trees have been planted in compliance with the approved Tree Protection and Replacement Plan.
- (g) Fees (Refer to the City's Published List of Fees)
- (h) Tree Preservation and Replacement Standards

(1) Specimen Trees

- a. Specimen Trees and the Critical Root Zone of each such Tree shall be shown on the Tree Protection and Replacement Plan by the applicant. The Critical Root Zone shall be depicted on the plan by a dashed circle.
- b. The sizes and types of Trees to be designated as Specimen Trees are as follows:
 - 26 inch DBH Hardwood/Softwood trees of the following genus: Oak, Beech, Ash, Blackgum, Sycamore, Hickory, Maple (does not include Silver Maple), Pecan, Walnut, Persimmon, Sourwood, Cedar, Cypress, or Redwood.
 - 30 inch DBH Hardwood trees of the following genus: Tulip Poplar, Sweet Gum, Magnolia, River Birch, or Silver Maple.
 - 10 inch DBH Understory Trees such as: American Holly, Dogwood, Redbud, Cherry, or other genus of Understory Trees indigenous to the City.

- c. Other criteria to be considered in designating a tree as a Specimen Tree include:
 - 1. A tree life expectancy of greater than 15 years.
 - 2. A sound and solid trunk with no obvious extensive decay, hollow areas, or structural deficiencies.
 - 3. A radial trunk dieback of no more than 20% or a canopy dieback of no more than 30%.
 - 4. A uniform tree crown distribution with no more than 70% of all branches on one side of the tree.
- d. A lesser-sized tree can be considered a Specimen Tree if:
 - 1. It is a rare or unusual species or of historical significance.
 - 2. It is specifically used by a builder, developer or design professional as a focal point in a project or landscape.
 - 3. It is a tree with an exceptional aesthetic quality.
- e. The City Arborist may identify and require the preservation of a tree stand if it contains one (1) or more Specimen Trees and the Specimen Trees are interlocked with other members of the stand in such a way as to imperil the Specimen Tree if other members of the stand were to be removed.
- f. A report by a Certified Arborist shall be included along with the Tree Protection and Replacement Plan for all specimen sized trees noting their location, size and condition. Trees meeting the specimen criteria that are slated for removal shall be recompensed on an inch for inch basis with a combination of two (2) inch, three (3) inch and four (4) inch or larger caliper Overstory Trees. For trees not meeting the Specimen Tree criteria, the arborist report will contain supporting photo documentation and detailed descriptions supporting this determination. Upon confirmation by the City Arborist, the applicant will not be required to recompense properly documented trees that do not meet the Specimen Tree criteria. The arborist report shall be submitted in digital format (pdf) for documentation purposes. Specimen recompense is in addition to the Density Factor requirement of one hundred (100) DBH inches per acre. Trees other than Specimen Trees saved without any Critical Root Zone impact in excess of the required Density Factor of one hundred (100) DBH inches per acre may count toward the specimen recompense on an inch for inch basis.
- g. No Specimen Tree existing on a tract of land that is not to be removed pursuant to approved Tree Protection Plan shall be removed without the written approval of the City Arborist and the Director.
- h. If the City Arborist agrees that the specimen recompense trees will not fit on the site in accordance with accepted industry spacing requirements, alternative compliance shall be made by payment of a recompense fee to the Tree Fund.
- i. The Specimen Tree recompense fee is computed as follows:

Recompense Fee = \$125.00 per/lnch

- The number of inches subject to a recompense fee shall not exceed fifty (50) inches per acre nor shall it exceed \$62,500.00 in any case..
- A reduction of up to 50% of recompense can be granted if the site design includes dedicated Green Space and/or Green Infrastructure Practices found on the EPA website: http://water.epa.gov/infrastructure/greeninfrastructure/index.cfm including but not limited to: bioretention, rain gardens, infiltration trenches, bioswales, permeable pavement, stormwater planters, subsurface infiltration, rainwater harvesting/cisterns, and green roofs.

(2) Protection of Trees During Construction

- a. Trees identified to be preserved and counted toward the tree density requirements shall have four foot orange tree protection fencing installed at or beyond the Critical Root Zone. A two (2) inch layer of mulch and mycorrhizae fungi shall be applied over the Critical Root Zone.
- b. No person engaged in the construction of any improvement(s) or site work shall encroach or place solvents, material, construction machinery or temporary soil deposits within the Critical Root Zone of Specimen Trees, tree save areas, transitional buffer zones, stream buffers and/or state buffers.
- c. All tree protection devices must remain in functioning condition until completion of the project:
 - For all projects, tree protection devices must be installed and inspected prior to any clearing, grubbing or grading.
 - Tree protection fences for subdivisions shall be installed by the
 developer at the same time as the erosion control devices. The
 developer is responsible for maintenance of tree protection fences and
 devices until building commences on a lot. Thereafter, both the
 developer and the general contractor are responsible for maintenance
 of the fence on the lot.
- d. Any Tree designated on the Tree Protection Plan to be saved, which is damaged during construction other than by an act of God, shall be treated according to ISA standards. If fatally damaged, tree(s) shall be recompensed on a 1.5 inch per 1 inch basis with a combination of two (2) inch, three (3) inch and four (4) inch or larger caliper Overstory Trees.
 - The applicant shall notify the adjoining property owner of a Boundary Tree in writing that the CRZ of a Boundary Tree is to be disturbed and if the tree should thereafter be damaged or die due to construction

impacts, it will be handled as civil matter between the Applicant and the Boundary Tree owner. The Applicant must provide a copy of any letters and the certificates of mailing prior to permit issuance.

- (3) Removal of Trees from Floodplain shall be permitted on a case by case basis as approved by the Director. Trees shall not be cut or removed from the 100 year flood plain except as follows:
 - a. Those trees found to be diseased or infested by insects as determined by either the City Arborist, county extension service, the Georgia Forestry Commission, a Certified Arborist or a registered forester;
 - b. For the construction, repair or maintenance of public roads, utilities or storm water management facilities; or
 - c. As part of a governmental approved wetland mitigation plan; or
 - d. As part of a land disturbance application that conforms to the steam buffer and flood plain ordinance requirements contained in Article II and Article IV of Chapter 14 of the Code.

In the event that this Sec. 14-39(h)(3) conflicts with Article IV of Chapter 14 of the Code relating to flood plain management, the provisions of Article IV of Chapter 14 of the Code shall control.

(4) Tree Replacement

- a. The Tree Protection and Replacement Plan shall include a planting schedule/list with proposed tree names (botanical and common), quantity, minimum caliper size, total inches, percentages and any special planting notes or comments. A minimum of fifty percent (50%) of the trees shall be native to the region.
- b. Trees counting toward the Density Factor must be on the approved plant list shown in Appendix A. Any trees not on this list must be approved by the City Arborist before planting. Trees selected for planting must meet the minimum requirements as provided in the American Standard for Nursery Stock (ANSI Z60.1, edition).
- c. At least fifty percent (50%) of trees planted as replacement trees must be Overstory Trees. When practical, the replanted trees shall be of the same or similar species as those removed. No more than twenty-five percent (25%) of any one genus may be included in any plan without the written consent of the City Arborist. When more than fifty (50) trees are proposed for replanting, a minimum of five (5) species of trees is required.

- d. Replacement tree planting within utility, storm drainage, sanitary sewer, or other types of easements is not permissible without the written permission of the easement holder and a copy of such consent is delivered to the City Arborist with the Tree Protection and Replacement Plan.
- e. Replacement trees shall be planted in a manner that provides adequate spacing for nourishment, light and maturation pursuant to ANSI standards. The minimum spacing between the trunks of all deciduous shade trees and existing or proposed buildings shall be twenty (20) feet.
- f. The minimum spacing between the trunks of all Understory Trees and any existing or proposed buildings shall be fifteen (15) feet.
- g. Approved tree planting and staking details shall be included in the plan.

(5) Parking Lot Trees

- a. Any redevelopment project that results in the removal and replacement of fifty percent (50%) or more of an existing parking lot, other than routine maintenance of the parking lot surface, shall be subject to the requirements of this section.
- b. Parking areas containing more than twenty (20) off-street parking spaces on any single lot shall contain parking lot trees.
- c. There shall be a minimum of one (1) Overstory Tree for every eight (8) parking spaces included in the required landscaped areas (i.e. peninsula, island or median island). Perimeter trees are not considered parking lot trees.
- d. Parking lot trees must be a minimum of two (2) inch caliper and no parking space shall be more than 50 feet from a tree. A fifty (50) foot dashed radius circle for each parking lot tree shall be depicted on the Tree Protection and Replacement Plan. Overstory Trees shall have a minimum of two hundred (200) square feet per tree per planting area.
- e. Parking lot tree islands shall terminate each row of parking and shall be a minimum of nine (9) feet wide. Interior islands shall be a minimum of eight (8) feet wide. Tree islands shall be backfilled with a minimum of three (3) feet of suitable soil.
- f. Light poles and associated underground electric lines shall not be allowed in parking lot tree islands. A 20 foot minimum spacing is required between the trunks of all deciduous shade trees and any existing or proposed light poles. The final light pole locations shall be depicted on the plan with a 20 foot dashed radius circle around each light pole.

(6) Street Trees

a. On commercial and industrial sites, there shall be a minimum of one (1) 2" caliper deciduous shade tree for every thirty-five (35) feet of public street or private entrance road frontage. The planting area must be a minimum of eight (8) feet from the back of curb, if no sidewalk is present. If a sidewalk is present

or is to be installed, the planting area from the back of sidewalk must be a minimum of five (5) feet. If the public street has a speed limit of forty five (45) or more miles per hour, trees must be located a minimum of sixteen (16) feet from edge of the pavement. The plan submittals require a detail of the street front planting requirement and include all calculations. Root barriers may be required on a case by case basis. Acceptable understory species, as approved by utility provider, may be substituted as road frontage trees in situations where overhead power lines are present.

b. For subdivisions, providing a design appropriate street tree planting program is an acceptable method of achieving tree density requirements. Plans will be approved on a case by case basis and trees must be a minimum of two inch caliper.

(7) Buffers

- a. During authorized land disturbing activities, all buffers shall be clearly demarcated on all development plans and protected during construction in accordance with best management practices or as required by the City Arborist.
- b. Required stream buffers shall comply with all current state and local guidelines.
- c. A zoning buffer shall consist of evergreen plant materials that when planted are intended to form an 80% visual barrier within 2 years and a 100% visual barrier within 5 years. Planted trees and shrubs must have a minimum height of six (6) feet and two (2) feet, respectively. Buffers may be required as a condition of rezoning of a parcel, the granting of a variance or the granting of a special exception under Chapter 17 of the Code.
- d. Disturbance or encroachments of buffers are not permitted. This includes, but is not limited to, ditches, swales, stormwater conveyance facilities, stormwater detention ponds, sanitary sewer conveyance facilities and any associated easements except that necessary utility access and crossings may encroach into the buffer as near to perpendicular as practical.
- e. Buffer Planting Standards are as follows:
 - Existing Buffer to Remain Undisturbed: Sparsely vegetated or
 previously disturbed portions of any existing buffer shall be replanted to
 comply with Sec 14-39(7)(c) above. Dying, diseased, dead or invasive
 materials may be removed from a buffer provided that minimal disturbance
 occurs and the written approval of the City Arborist or Director is obtained
 prior to the removal.
 - Buffer Width 20 Feet or Less: This buffer shall consist of a minimum of one (1) row of evergreen trees and one row of evergreen shrubs
 - **Buffer Width 21-35 Feet:** This buffer shall consist of a minimum of two (2) rows of evergreen trees and one row of evergreen shrubs
 - Buffer Width Greater Than 35 Feet: This buffer shall be subject to approval by the City. A mix of hardwood and evergreen trees planted within buffer areas may be counted for credit toward the minimum required

density inches per acre. Up to 25% of this buffer may also be planted with shrubs as approved by the City Arborist.

(8) Alternative Compliance

- a. The City Arborist must review and approve all requests for alternative compliance. For the request to be considered, the applicant must preserve trees outside of the site's buildable area having a Density Factor of not less than fifty (50) DBH inches per acre with the disturbance of no more than twenty percent (20%) of the Critical Root Zone of each tree to be preserved. In no instance shall one hundred (100) percent of the required inches per acre be met through alternative compliance. Where the City Arborist has determined that special constraints of a site result in an inability to provide the required inches per acre and/or specimen recompense inches per acre, the number of trees will be determined by the City Arborist based on site review. Possible alternatives may include one or more of the following:
 - Common area planting within the existing development.
 - Tree Banking Allowable in areas designated for public planting programs within a reasonable distance from the existing development.
 To be approved on a case by case basis by both the Director and the City Arborist.
 - Tree Fund (Price per inch based on current market installed costs)

(9) Tree Harvesting

Permits authorizing selective tree harvesting shall be determined on a case by case basis with the approval of the City Arborist and the Director.

(10) Utility Company and public works guidelines

- a. All tree trimming and pruning are to be performed by public utilities, public agencies and their subcontractors on trees growing on private or public rightsof-way shall be done according to the most current ANSI standards for pruning of mature trees.
- The routing of public and private utility easements shall be subject to review and comment by the City Arborist.
- c. No person, firm or corporation shall interfere with the Director of Public Works or persons acting under the Director of Public Work's authority while engaged in planting, mulching, pruning or removal of trees, shrubs, etc. in any street or public place within the City.

(11) Enforcement

- a. It shall be the duty of the Director or a designee of the Director to enforce the Tree Ordinance. The Director shall have the authority to, and the City Arborist may recommend that, the Director revoke, suspend or void any permit or suspend all work on a site or portion thereof in order to effect compliance with this section.
 - 1. Violation and Penalty. Any violation of any of the provisions of the Tree Ordinance by any person, firm or corporation shall be deemed an offense and upon conviction in municipal court such person, firm or corporation shall be subject to penalty as is provided in section 1-10 of the Code. Each tree removed or killed in violation of this section shall be considered a separate offense. Upon conviction in municipal court, the owner of any buildings or premises or parts thereof, where anything in violation of this section exists, and any architect, builder, contractor or any other agent of the owner, or any tenant, who commits or assists in the commission of any violation, shall be guilty of a separate offense. Any homeowner of record found in violation of any of the provisions of the Tree Ordinance, after having first been issued a warning notice, shall be subject to penalty as is provided in section 1-10 of the Code.
 - Additional legal remedies. In addition to all other actions and penalties authorized in this section, the department of law is hereby authorized to institute injunctive, abatement or any other appropriate judicial or administrative actions or proceedings to prevent, enjoin, abate or remove any violation of this section.
 - 3. Administrative Variances. Front, side, and rear yard setbacks, and parking requirements may be reduced up to 25% by the City Arborist and the Director in order to preserve existing Specimen Trees. Appropriate conditions to said administrative variances shall be imposed so as to ensure the continued health of said trees following the granting of such variances, including mandatory replacement requirements. Administrative variances shall be considered and decided consistent with procedures and criteria as set forth within the Zoning Ordinance.

(12) Special Exceptions

The Zoning Board of Appeals shall hear and decide applications for special exceptions for the removal of a Specimen Tree. The provisions of Sec. 27-909 through Sec. 27-912 of the Code and Sec. 27-919 through Sec. 27-921 of the Code shall apply with regard to this Sec. 14-39(h)(12). No such special exception for the removal of a Specimen Tree shall be granted by the Zoning Board of Appeals unless the applicant has demonstrated, and the Zoning Board of Appeals has found, that the property is not capable of earning a reasonable economic return

absent the grant of the special exception. In making this determination the Zoning Board of Appeals shall consider the following factors:

- a. Value of the trees in question, considering their age, size, health and significance.
- b. The current level of economic return on the property.
- c. The marketability of the property.
- d. The feasibility of alternate design or uses.

[Appendix A - City of Brookhaven Approved Plant List (Attached)]

SECTION 2: Severability. Should any court of competent jurisdiction declare any section of this Ordinance invalid or unconstitutional, such declaration shall not affect the validity of this Ordinance as a whole or part thereof, which is not specifically declared to be invalid or unconstitutional.

SECTION 3: The provisions of this Ordinance shall become and be made part of The Code of the City of Brookhaven, Georgia, and the sections of this Ordinance may be renumbered to accomplish such intention.

so ordained, this 36 day of august, 2014.

APPROVED:

J. Max Davis, Mayor

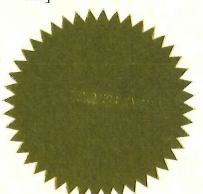
APPROVED AS TO FORM:

Thompson Kurrie, Jr., City Attorney

ATTEST.

Susan Hiott, City Clerk

[CITY SEAL]



Appendix A - City of Brookhaven Approved Plant List

Fringetree (Grancy Gray Beard)	Flametree, Chinese (Bougainvillea)	Elm, Winged	Elm, Slippery	Elm, Siberian	cilli, cilliese (Lace Daix)	The Object of Sand	Elm. American	Dogwood, Swamp	Dogwood, Kousa	Dogwood, Flowering Pink	To de la contraction de la con	Dogwood Flowering	Devilwood .	Devil's Walking Stick	Cypicas, majinin	Cymress I evland	Crapemyrtle, Common	Crabapple, Southern	Crapappie, Japanese Flowering	Contollwood, Edstern	Cimiquapin, Direginerry	Chinaman alleghan	Chinaberry	Chestnut, Chinese	Chestnut, American	Cherry, Yoshino	olicity, eapanese i lowering	Chart Ispanese Flourering	Cherolaurel Carolina	Cherry, Black	Chastetree (Vitex)	Cedar, Japanese	Cedar, Deodar	Catalpa, Countrie	Catalna Southern	Buttonbush, Common	Buckthorn, Common	Buckthorn, Carolina	Buckeye, Red	Buckeye, Painted	Buckeye, Bottlebrush	Doxerus:	Boxelder	Blackgum (Tupelo)	Birch, River 'Heritage'	Birch, River	Beech, American	Basswood, American (Linden)	Dancey Press	Daldenness	Ach White	Ach Const (Second Lineary	Arborvitae, Giant (Western Redcedar)	Arborvitae, Eastern (Northern Whitecedar)	Alder, Hazel (Tag)	SPECIES COMMON	
Chionanthus virginicus	Koelreuteria bipinnata	Ulmus alata	Ulmus rubra	Ulmus pumila	Olitius parvilolla	I Illenia anni illenia	l limus americana	Cornus stricta	Cornus kousa	Cornus riorida yar, rubra	Oction lighter	Comus florida	Osmanthus americanus	Aralia spinosa	Capi coscojpario refinitari	Cupressonovoaris leviandii	Lagerstroemia indica	Malus angustifolia	Maius ilonpunda	ropalus delloides	Castalea puima	Cartana	Melia azedarach	Castanea mollissima	Castanea dentata	Prunes x yedoensis	L'allas sell diata	Driving contribute	Prinis caminiana	Prunus serotina	Vitex agnus-castus	Cryptomeria japonica	Cedrus deodara	Catalpa bigliotiloides	Catalna himponioides	Cephalanthus occidentalis	Rhamnus cathartica	Rhamnus caroliniana	Aesculus pavia	Aesculus sylvatica	Aesculus parvillora	Ocer reguiro	Acer negundo	Nyssa sylvatica	Betula nigra 'Heritage'	Betula nigra	ragus grandifolia	Illia americana	Tilis sandiani disucium	Tour distriction in	Fractions permations	English product	Thuis plicata	Thuja occidentalis	Alnus serrulata	LATIN NAME	
150 Very Small	400 Small	1,600 Large	1,600 Large	900 Medium	ado Medialili	1000	1 600 l arge	400 Small	400 Small	400 Smail	Too Ollian	400 Small	400 Small	150 Very Small	+co olliali	400 Small	150 Very Small	400 Small	400 Small	1,000 Large	400 GII AII	A00 Small	900 Medium	1,600 Large	1,600 Large	400 Small	400 Ollian	App Small	900 Medium	900 Medlum	150 Very Small	900 Medium	Medium 008	oco wiediaii	ann Medium	150 Very Small	900 Medium	900 Medium	150 Very Small	150 Very Small		aco Mediani	900 Medium	900 Medlum	900 Medium	900 Medium	1,600 Large	1,500 Large	ago Medicili	COO Modium	1 000 Large	400 Cilaii	400 Small		150 Very Small	Square Feet of Canopy Canopy Size Category	DEVELOPMENT CODE
ъ ж ж ж	×	0 xx xx xx xx	x x x	N pest susceptible; weed tree	0 00 00 00 00	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	×	C ×	× × ×	F XX XX XX O O XX	200, 200,	YY YY 77	n ×	C C C C X XX	>	x	only permitted in utility o	C × × × ×	× × × ×	×	susception of cliestian of	1		× ×	N susceptible to chestnut blight	x x x	>	· · · · · · · · · · · · · · · · · · ·	o	c ×	× × × ×	×	×	c	× :	P x	L	× × × ×	מי	× ×	T T	×		P XX × XX × XX	P XX x XX x XX XX XX 0	× × × ×	×	×	3	* 3	< >		> (L × 0 × 0 × 0	P XX × XX ×	Level of Use Large Landscape Areas Road Frontages - Street Road Frontages - Yard Parking Lots Plazas and Downtown Settings Buffers Riparian Zones and Drainage Areas Utility Corridors	RECOMMENDED USES
S	M S Rounded	L L Upright	L L Upright	Z.	M M Oprignt	: 1			S S Rounded	S S Spreading	6	0	S S Rounded	s Vs	W	0	S VS	S	X S Rounded	-	Nonnaed.	9 3	M M	L L Rounded		S S Rounded	0	0 3		L M Ova	S VS Multi-Stemmed	L M Pyramidal	L M Pyramidal	IVI	3 6	S VS Multi-Stemmed	Z	M M Oval	S VS Rounded	S VS Rounded	Ś	i k		M M Oval	M M Pyramidal	M M Pyramidal	-	M L Irregular	M		r Kounded		0	_	S VS Multi-Stemmed	Height Class in Urban Conditions Crown Class in Urban Conditions Mature Crown Form	PHYSICAL CHARACTERIS
5-15		30-50	70-80 30-50		l	000	20.70	10-25	10-20	15-30	10-00	100			20-00	20 20	10-25	10-20		20-75	70-25		100	40-60 40-60			20-30	10-20	1	15-50	10-20	15-20	40-100	30-40	-	10-15	20-25	10-30	10-15	5-15	15-20 10-15	40-50	10 50		40-60	40-60	50-70	35-50	20-50	30-00	60.80 20.80	15-20	1000	10-15	10-20	Typical Range of Mature Crown Width	STICS
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×			×			>	< ;	<	×	×	>	;	×					×	×	×	+			×		×		>	< >	2				×	< >	+	×	×	×	×	×	×	< ;	×			×	×	×	×	×	×	< >	<	-1	Wildlife Value Excessive Litter	
Y M S n/a M L acidic PS	M M M Classical	M M 0.034 M	F M 0.086 M M si ac-si alk		N F M 0.058 M H stac-stalk FS	M M NI U.143 M H SI ac-SI alk	1 0 110	מו מו מו מו מו	S n/a M L ac		M M C.UZ7 M L ac-nu		M	~	F M 0.053 M M ac-aik	0.007	M MOOO M E	M S n/a M L slac-slalk	S n/a M L slac-slalk	F M -0.708 M M si ac-si alk	S S Na D H		100	N and D M acres ally		N F S n/a M L ac FS	F S 0.013 M L ac-alk	M M H ac-st alk	N M M Si ac	M 0 083 M M siac	M S n/a D H ac-alk FS	M 0.084 M H ac FS	N M L -0.031 D H ac-si alk FS g	F S 0.014 M M Slac-slalk	0 0 0	M 0 2/2 W/ - 2/2	S n/a M H ariant	S n/a M M ac-alk	M S n/a M L ac	n/a M L ac-adapt	M S n/a M L ac-adapt	F S 0.036 W M adapt	TO MI WI ST GOOD IN MI ST GOOD GIVE IT OF	M LODES M M SIDES BIV ES	M n/a M L	L acidic	S L 0.160 M L acidic	子 F M 0.144 M L ac-alk PS	M L 0.032 M H ac-slalk	M M 0.100 M L Slac-slak FS	F M 0.090 W H slac-slak FS	M n/a H M ac-alk FS	W W ac-ak	o M n/s	F S n/a W M acidic FS	Native Tree to Metro Atlanta Growth Rate Average Life Span Net Effect on Air Quality Soil Moisture Drought Tolerance Preferred Soil pH Light Requirement Construction Tolerance/Limitations	ENVIRONMENTALCHARACTERISTICS AND TOLERANCES

Appendix A - City of Brookhaven Approved Plant List

Appendix A - City of	Brookhaven Approved CANOPY A DEVELOPY CANOPY A DEVELOPY A	CANOPY AREA FOR DEVELOPMENT CODE	s - Street S - Yard whom Settings and Drainage Areas	Urban Conditions	of Mature Tree Height					eletro Atlanta AND TOLERANCES an
SPECIES COMMON	LATIN NAME	Canopy Size Category	Level of Use Large Landscape Areas Road Frontages - Street Road Frontages - Yard Parking Lots Plazas and Downtown Settings Buffers Riparian Zones and Drainage An Utility Corridors	Height Class in Urban Condition Crown Class in Urban Condition Mature Crown Form	Typical Range of Mature Tree He	Typical Kange of Mature Crown	Leaf Type Leaf Texture Fall Leaf Color	Leaf Type Leaf Texture Fall Leaf Color Flower Color Flowering Time	Leaf Type Leaf Texture Fall Leaf Color Flower Color Flowering Time	Leaf Type Leaf Texture Fall Leaf Color Flower Color Flowering Time Wildlife Value Excessive Litter
A RELIEF	TOTAL MANAGEMENT	C	Ri Ri Pi Pi Ri	Cı	1	ľ	Le Le Fa	Le Le Fa Flo Wi	Le Fa Flo Wi Ex	Le Fa Flo Wi Ex Na Gr
inkoo (Female)	Ginkon hiloha	1 800 args	× ×	N VS Rounded	15-25	10-15	DB M/C YE W	DB M/C YE W Spring X	DB M/C YE W Spring X	DB M/C YE W Spring X N S S n/a
inkro (Male)	Ginkon hiloha	1,000 Large	× × × × ×	-	50-/5	30-60	0 80	2 C YE	DB C YE	X X S C 0,108
Soldenraintree	Koelreuteria paniculata	400 Small	× × × × ×	M C Pyramidal	50-75		30-80 DB C YE -	30-80 DB C YE -	30-80 DB C YE	30-60 DB C YE - 0.108 M
ackberry, Common	Cellis occidentalis	1,600 Large	x x x x x x x x x x x x x x x x x x x		60-90		25-60 DB E/M YE I	25-80 DB RM YE I Summer	25-80 DB FM YE I Summer Y	M W W W -0000 M
ackberry, Georgia	Celtis tenulfolia -	1,600 Large	×	M L Spreading	25-35		25-35 DB F/M	25-35 DB F/M YE	25-35 DB F/M YE X Y	25-35 DB F/M YE X
awthorne, Washington	Crataegus phaenopyrum	400 Small	× × ×	S S Rounded	10-30	0 5-25		5-25 DB F MU	5-25 DB F MU W Late Spring X	5-25 DB F MU W Late Spring X N
emlock, Eastern	Tsuga canadensis	1,600 Large	x	L L					Z	Z
ckory, Bitternut	Carya cordiformis	1,600 Large	x 0 x 0	L L Oval	50		50-75 DB M	50-75 DB M YE	50-75 DB M YE X	50-75 DB M YE 1 X Y F L 0.069 M
ckory, Mockernut	Carya tomentosa	1,600 Large	x 0 x 0	L L Oval	5(50-75 DB M/C	50-75 DB M/C YE 1	50-75 DB M/C YE 1 X X Y	50-75 DB M/C YE I X X Y S L 0.059 D
ckory, Fignut	Carya glabra	1,600 Large	x	L L Oval	50		50-75 DB M	50-75 DB M YE I	50-75 DB M YE I X Y	50-75 DB M YE X Y S L 0.058
ckory, Shaqbark	Carva ovata	1 600 Large	× ×	Ova	40		20-40 DB M	20-40 DB M YE I	20-40 DB M YE II X Y	20-40 DB M YE I X Y S M n/a D
ckory, Southern Shagbark	Carya ovata var. australis	1.600 Large	0 0	Cval	20 6		40-80 DB M	50-75 DB M YE I	50-75 DB M YE I	ACSO DB M YE I X Y S L 0.064 M
olly, American	llex opaca	400 Small	×	M S Pyramidal	20-	- 1	15-25	15-25 EB M	15-25 EB M EV I	15-25 EB M EV I X Y S L 0.013 M
olly, Deciduous (Possumhaw)	llex decidua	150 Very Small	x × ×	S VS Rounded	10-		10-20 DB F	10-20 DB F	10-20 DB F	10-20 DB F I I X Y M S n/a
olly, Fosters	llex x attenuata 'Fosteri'	150 Very Small	×	VS	15-2	25 10-15	10-15 EB F/M	10-15 EB F/M EV I	10-15 EB F/M EV I X N	10-15 EB F/M EV I X N S S N/a
olly, Savannah	llex x attenuata "Savannah"	150 Very Small	× × × × ×	5 6	37-0E	- 1	10-15 EB M	10-15 EB M EV	10-15 EB M EV	TO AS THE MINING TO A STATE OF THE ASSET OF
olly, Yaupon		150 Very Small	× × × × × ×	S VS Irregular	10-25	- 1	5-10	5-10 EB M	5-10 EB F EV	5-10 EB R EV - X X M S n/a
loneylocust	Gleditsia triacanthos	900 Medium	× ;	3	60-80		30-50 DB F	30-50 DB F YE	30-50 DB F YE	30-50 DB-F YE A O O DA
lophornbeam, American	Ostrya virginlana	900 Medlum	\dashv	M M Oval	151		10-30 DB F/M	10-30 DB F/M YE	10-30 DB F/M YE W Summer X Y	10-30 DB F/M YE W Summer X Y S M 0.032 M
fornbeam, Am. (Ironwood, Blue Beech)	Carpinus caroliniana		XX XX XX XX XX XX XX	×	20-35		15-30 DB F/M YE	15-30 DB F/M YE I	15-30 DB F/M YE X	15-30 DB F/M YE X Y S M 0.009
lornbeam, European	Carpinus betulus	900 Medium	P XX XX XX XX X	M M Ovai	40-60		35-40 DB F/M	35-40 DB F/M	35-40 DB F/M YE I X N	35-40 DB F/M YE I X N S M 0.037 M
ornbeam, Japanese	Carpinus Japonica		× × ×	M S Ovai	20-30		20-30 DB M	20-30 DB M RE	20-30 DB M RE II N	20-30 DB M RE N S M n/a M
atsuratree	Pohinia presidenceria	900 Medium	* *		40.	1_	35-60 DB M YE I	35-60 DB M YE I	35-60 DB M YE I	35-60 DB M YE I N F L n/a
agnolia. Cucumber	Magnolla acuminata	1 600 Lame	C C C C C C C C C C C C C C C C C C C	L M Spreading	3 6		20-40 DB F YE W	20-40 DB F YE W Spring	20-40 DB F YE W Spring X	20-40 DB F YE W Spring X Y F M -0.123
agnolia, Japanese (Saucer)	Magnolia x soulangiana		× :	M M Upright	20-3	- 1	10-30 DB C YE P	10-30 DB C YE P	10-30 DB C YE P Late Winter N	10-30 DB C YE P late Winter >
agnolia, Southern	Magnolia grandiflora		-	٦	80-		30-50 EB C EV W	30-50 EB C EV W Late Spring X	30-50 EB C EV W Late Spring	30-50 EB C EV W Late Spring X X Y M L 0.002
agnolia, Southern 'Little Gem'	Magnolla grandiflora 'Little Gem'	150 Very Small	×	M VS Pyramidal	40-		20-30 EB C EV W	20-30 EB C EV W Late Spring X	20-30 EB C EV W Late Spring X X Y	20-30 EB C EV W Late Spring X X Y S M n/a
agnolia, Star	Magnolia stellata	150 Very Small	× ×	VS			15-20 DB M YE W	15-20 DB M YE W Late Winter	15-20 DB M YE W Late Winter X N	15-20 DB M YE W Late Winter X N S S n/a
agnolia, Sweetbay	Magnolla virginiana	900 Medium	×	×	30-6	1	20-40 EB C EV W	20-40 EB C EV W Summer	20-40 EB C EV W Summer X Y	20-40 EB C EV W Summer X Y F M n/a
apie, Chalk	Acer Jerroderme	400 Small	* ×	: 0	15		15-25 DB M RE W	15-25 DB M RE	15-25 DB M RE W Spring N	15-25 DB M RE W Spring N M M 0.008
aple, Hedge	Acer campestre		× × × ×	3	2 2		35.35 DB M	35.35 DB M	1030 DB M	10-30 DB M Pria
nie, Japanese	Acer nalmatum	400 Small	× × ×) M	N		25-35	25-35 DB M	25-35 DB M YE	25-35 DB M YE N S S 0.017
apie, Norway	Acer platanoides	900 Medium	200		i di	1	10-25 DB M	10-25 DB M	10-25 DB M RE 1	10-25 DB M RE - N S S
ple, Red	Acer rubrum	900 Medium	P XX XX XX XX XX XX XX 0	M M Rounded	40-90		20-35 DB M	20-35 DB M DII D	DB M DE D	200 A DITTO A
aple, Silver	Acer saccharinum	1,600 Large	0 × 0 0	_	5 6		40-50 DR M	40-50 DB M YE	40-50 DB M XE R Late winter X	40-80 DR M YE I Late Winter X Y F L 0.084
laple, Southern Sugar (Florida Sugar)	Acer barbatum	900 Medium	×	M M Rounded	40-	70 25-60		25-60 DB M	25-60 DB M OR V	25-60 DB M OR
aple, Sugar	Acer saccharum	1,600 Large	XXX	r 3	80 4		30-50 DB M	30-50 DB M OR -	30-50 DB M OR	30-50 DB M OR - X Y M
laple, Sugar 'Green Mountain'	Acer saccharum 'Green Mountain'	1,600 Large	XX XX	L L Oval	60-80		30-50 DB M	30-50 DB M OR I	30-50 DB M OR I	30-50 DB M OR I X Y F L 0.100 M
ole, Sugar 'Legacy'	Acer saccharum 'Legacy'	1,600 Large	P XX XX XX	L L Oval	60-8		30-50 DB M	30-50 DB M	30-50 DB M OR X Y	30-50 DB M OR X Y F L 0.100 M
	Acer buergeranum	900 Medium	P O XX XX XX XX XX X	M S Rounded	20		20-30 DB M	20-30 DB M MU I	20-30 DB M MU I N	20-30 DB M MU I N F M n/a M
ple, Trident		900 Medium	pest susceptibl		_					z
Maple, Trident Mimosa Mintown, Pari	Albizia julibrissin			Rounded		1		20 70	20-50 DB C VE V	40-70 20-50 DB C YE

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	Appendix A - City of Brookhaven Approved Plant List
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Redcedar, Eastern	Redbud, 'Texas White'	Redbud, 'Oklahoma'	Redbud, 'Forest Pansy'	Redbud, Eastern White	Redbud, Eastern	ropial, reliow (rulipiree)	Poolog Volley /Tulistee)	Poplar Mihita	Poniar I ombardy	Plum, Purpleleaf	Plum, Chickasaw	Planetree, London	Distance, Cillings	Distache Chinese	Pine, Virginia	Pine, Slash	Pine, Shortleaf	Pine, Longleaf	Pine, Lobiolly	Pine, Eastern White	Persimmon, Common	Pecan	Pear, common	Page Carriery	Dear Callen	Parrotia	Orange, Osage	Oak, Willow	Oak, White	Oak, Water	Oak, Swamp White	Oak, Swamp Chestnut	Oak, Southern Red	Oak, Shumard	Oak, Scarlet	Oak, Sawtooth	Oak, Post	Oak, Pin	Oak, Overcup	Oak, Ogiethorpe	Oak, Nuttali	Cak, Northern Red	Oak, Live	Oak, Laurel Darlington	Oak, Laurel	Cak, Georgia	Oak, English	Oak, Diamond Lear (Laurei)	Oak, Chestiut	Oak, Cherrybark	Ork Chambridge	COMMON	מטחסווה			
Juniperus virginiana	Cercis reniformis 'Texas White'		Cercis canadensis 'Forest Pansy'		Cercis canadensis	Linodendron tulpitera	ropolas alba	Describe of the same of the sa	Donatus niero var ifolica	Prunus cerasifera	Prunus angustifolia	Platanus x acerifolia	risidud cimiensis	Distancia chinansis	Pinus virginiana	Pinus elliotii	Pinus echinata	Pinus palustris	Pinus taeda	Pinus strobus	Diospyros virginiana	Carya illinoensis	Pyrus communis	ryius calialyalla	Puris collection	Parrolla persion	Maclina pomilera	Quercus phelios	Quercus alba	Quercus nigra	Quercus bicolar	Quercus michauxii	Quercus falcata	Quercus shumardii	Quercus coccinea	Quercus acutissima	Quercus stellata	Quercus palustris	Quercus lyrate	Quercus oglethorpensis	Quercus nuttalli	Quercus rubra	Quercus virginiana	wercus nemisphaenca : Darington:		Quercus georgiana	Quercus robur	Quercus lauriolia	Quercus prinus	Quercus raicata var. pagodifolia		LATIN NAME				
	400 Small	400 Small	400 Small	400 Small	400 Small	1,600 Large	mnipain 006	add Islandini	DOO Modin	400 Small	150 Very Small	1,600 Large	unipaly one	OOD Moding	900 Medium	1,600 Large	1,600 Large	1,600 Large	1,600 Large	1,600 Large	900 Medium	1,600 Large	900 Medium	Indipalal Doc	200 Malian	200 0000	onn Madica	1 600 large	1,600 Large	1,600 Large	1,600 Large	1,600 Large	1,600 Large	1,600 Large	1,600 Large	1,600 Large	1,600 Large	1,600 Large	1,600 Large	1,600 Large	1,600 Large	1,600 Large	1,600 Large	1,600 Large	1,600 Large	1,600 Large	1,600 Large	1,600 Large	7,600 Large	1,600 Large			t of Canopy e Category		DEVELOPMENT CODE	SOU PART ABOUT
×	XX XX ×	× × ×	XX XX X	P × XX XX XX × × XX	P XX XX XX XX XX XX	×	+	N not near tolerant	>	× × ×	о х х	P × XX XX	×	> > > > > > > > > > > > > > > > > > >	×	× × ×	P XX x x x x x x	x x x	P XX × XX XX X	C not heat tolerant	P x 0 x 0 0 x	D X O X O O O	× 0	defective branch st	× ×	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		X		×		P x 0 x 0 0 x	P XX x XX	PXXXXXXX	X X X	0 x	××××	× 0	×	×	×××××××××××××××××××××××××××××××××××××××	× × ×		×XXX	×	×	×	+	×	×	Ro Ro Pa Pl Bi	oad Front oad Front arking Lo lazas and uffers	scape Areas ages - Street ages - Yard s Downtown S nes and Drai		RECOMMENDED USES	
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